DEPARTMENT OF THE AIR FORCE
Headquarters U S Air Force
Washington DC 20330-1030

CHANGE 2
CFETP 2A6X5
October 2000

AFSC 2A6X5
AIRCRAFT HYDRAULIC SYSTEMS
CAREER FIELD EDUCATION AND TRAINING PLAN

This change is effective immediately. This change is the equivalent of publication of a new CFETP. Compliance with AFI 36-2201, para. 4.11.6.1. and other training policies and documentation is required. CFETP 2A6X5, January 1998, is changed as follows:

1. Paragraphs and tasks that have been changed by this change notice are indicated by a double star (✯✯). Paragraphs and tasks that were changed by change one are indicated by a single star (✯).

2. Page inserts are identified by date in the upper right hand corner of each page. Replace the appropriate pages with the attached page inserts.
2.1. Replace pages 1 and 2 with revised pages 1 and 2. These pages are being replaced to update the table of contents and other administrative information.
2.2. Replace pages 7 - 10 with revised pages 7 - 10. These pages are being replaced to correct text format errors.
2.3. Replace pages 13 - 22 with revised pages 13 - 22. These pages are being replaced to accomplish 2AXXX AFSC-generic CFETP changes and to update 7-level upgrade training requirements.
2.4. Replace pages 23 - 32, and 37 - 38 with revised pages 23 - 32, and 37 - 38. These pages are being replaced to correct paragraph numbering errors, to remove duplication of training requirements that were added at Attachment 9, CDC 2AX7X Training Requirements, and to add training requirements for Integrated Maintenance Data System (IMDS).
2.5 Add pages 38.1 and 38.2 (blank). These pages are adding training requirements for IMDS.
2.6 Replace pages 43 and 44 with new pages 43 and 44. These pages are being replaced to correct errors in Column 4A.
2.7 Replace pages 63 - 70 with new pages 63 - 74. These pages are being replaced to add Attachment 9, CDC 2AX7X Training Requirements.

3. After actions required in paragraph two above, file this change cover page immediately behind the CFETP, after the Change 1 notice.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT HYDRAULIC SYSTEMS
AFSC 2A6X5

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AFJQS 454X4-005, Dec 88
AFJQS 454X4-102, Mar 90
AFJQS 454X4-104, Jan 92

Certified by: HQ USAF/ILMM (CMSgt Timothy Jones)
Number of Printed Pages: 93
OPR: 364 TRS/TTMAS (Mr. Dale Chitwood)

2. Uses. This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A6X5 will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions.

4.1. Specialty Summary. Performs and supervises aircraft hydraulic functions and activities. Troubleshoots, inspects, removes, installs, repairs, modifies, overhauls, and operates aircraft hydraulic systems, components, and associated support equipment. Related DoD Occupational Subgroup: 602.

4.2. Duties and Responsibilities:

4.2.1. Aircraft Hydraulic Systems Apprentice and Journeyman: Inspects, operates, troubleshoots, removes, repairs, overhauls, and installs aircraft hydraulic and pneumatic systems and components, including support equipment (SE). Identifies and isolates malfunctions, services, bleeds, bench checks, rigs, and performs adjustments to aircraft hydraulic components, associated electrical components, power systems, landing gear, nose wheel steering, brakes, flight controls, weapons/cargo door systems, air refueling receiving systems, in-flight refueling systems, hoist/winch systems, engine start systems, recovery systems, arresting gear, air induction systems, and canopy systems. Inspects and pressure tests hydraulic line/tube assemblies. Drains and flushes hydraulic systems. Overhauls, repairs, adjusts, aligns, and tests hydraulic system/sub-system components. Fabricates and pressure tests hose assemblies. Operates and maintains shop equipment.

Uses hydraulic, pneumatic, and electronic principles and fundamentals, technical orders, and schematic diagrams to isolate malfunctions. Records pertinent data on equipment maintenance data collection forms and/or enters data into Automated Maintenance Systems. Maintains inspection and maintenance records. Recommends methods to improve equipment, performance, and maintenance procedures. Handles, labels, and disposes of hazardous materials and waste according to environmental standards.

4.2.2. Aircraft Hydraulic Systems Craftsman: Interprets publications, inspects, analyzes, troubleshoots, performs maintenance, and provides expertise on hydraulic systems, and associated equipment. Establishes priorities for completion of maintenance tasks and provides assistance in solving maintenance, supply, and personnel problems. Evaluates requirements for quality deficiency reports. Provides training and task certification for skill level advancement. Supervises and evaluates job performance and maintenance techniques used to interpret, operate, troubleshoot, remove, repair, service, overhaul, and install aircraft hydraulic components and SE. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards. Ensures safety compliance.

4.2.3. Aircraft Systems Superintendent: Manages maintenance and staff functions on aircraft hydraulic, fuel, electrical, environmental, and aircrew egress systems. Interprets and evaluates directives and publications, inspection findings, records, and reports and recommends corrective actions. Determines operational status and evaluates operational effectiveness of aircraft and associated systems. Inspects and evaluates maintenance activities and resolves problems. Interprets and establishes safety and training guidelines. Plans, organizes, directs and controls maintenance inspection, troubleshooting, and repair activities. Controls resources, and manages funds. Manages the hazardous materials and waste programs.

5. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives proper training at appropriate points in their career

5.1. Apprentice (3-level). Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

★5.2. Journeyman (5-level). Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as quality assurance and various staff positions. After having

48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weight Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.3. Craftsman (7-level). A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4. Superintendent (9-level). A superintendent can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aircraft Hydraulic Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field U&TW held at Sheppard AFB, 9-12 Jul 96.

6.1. Initial Skills. A decision was made to revise the 3-level course by replacing the lesson on hydraulic system draining and flushing with hydraulic power system bleeding. The lesson on high pressure air carts was replaced with a lesson on utilizing nitrogen servicing equipment. Pneumatics training was reduced to pneumatic principles only. The group determined that the lesson on electronic principles was too in-depth, they decided that the hydraulic students needed only enough electronic principles to understand what they are reading from a multimeter. The following training was added: hazardous waste/material handling and storage; CAMS supply interface (Standard Base Supply System, SBSS); sealants; and the operational fundamentals of weapons/cargo door systems, air refueling receiver systems, and inflight refueling systems.

6.2. Five-Level Upgrade Training. The 5-level CDCs will be developed to add needed material. Many changes were added to the Specialty Training Standard (STS) to provide additional training, and to identify minimum core tasks for upgrade.

6.3. Seven-Level Upgrade Training. Seven-level CDCs were developed to provide greater depth of knowledge on hydraulic systems. The STS was re-accomplished to identify minimum Air Force core task requirements for upgrade. An in-residence 7-level

course was also developed that will provide advanced troubleshooting techniques. Seven-level CDCs must be completed prior to attending the resident course.

⋆6.4. Proficiency Training. Any additional knowledge and skill requirements which were not taught through initial skills or upgrade training were assigned to continuation training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs must ensure individuals in the Aircraft Hydraulic Systems career field receive the necessary training at the appropriate point in their career.

7. Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2 Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

8. Career Field Path

☆☆8.1. Enlisted Career Path. Table A8.1 identifies career milestones for the 2A6X5 Air Force Specialty.

Table 8.1 Enlisted Career Path

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Advanced Technical School. - Minimum 12 months on-the-job training	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident or correspondence graduation is a prerequisite for CMSgt sew-on.	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Resident or correspondence graduate of SNCOA.	CMSgt	21.5 years	14 years	30 Years

☆☆8.2. Base/Unit Education and Training Manager Checklist:

☆☆Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice completed CAMS Course J6AZU00066-058? (Exception: AMC and AMC gained ANG/AFRC Personnel). - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman completed CAMS Course J6AZU00066-062? (Exception: AMC and AMC gained ANG/AFRC personnel). - Has the journeyman attended 7-skill level Craftsman Course? **First, they must complete:** -- All 7-level training requirements listed in the CFETP. -- All applicable CDCs. - Has the journeyman completed a minimum 12 months UGT for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all training requirements.

_____ _____

Training Manager Supervisor

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and subject knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification. . The various skill levels in this career field are defined in terms of tasks and subject knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. Apprentice Level Training.

10.1.1. Specialty Qualification:

10.1.1.1. Knowledge: To perform duties as an apprentice, an individual must be able to understand hydraulic, pneumatic, mechanical, and basic electrical principles applicable to aircraft and associated SE. The apprentice must be able to perform certain organizational level maintenance tasks under close supervision until task certified. An apprentice must be able to use technical data, common handtools, and special test equipment. An apprentice must be qualified to remove and install system components, perform operational checks, and troubleshoot simple malfunctions using system schematics. An apprentice must know the proper procedures for handling, storing, using, and disposing of hazardous waste and material.

10.1.1.2. Education: For entry into this specialty, completion of high school with courses in hydraulics, general science, and mechanics is desirable.

10.1.1.3. Training: For award of AFSC 2A635, completion of a basic aircraft hydraulic systems maintenance course is mandatory.

10.1.1.4. Experience: There is no experience necessary for entry into AFSC 2A635.

10.1.1.5. Other: For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory.

10.1.2. Training Sources. The initial skills course, J3ABR2A635-000, will provide the required knowledge and qualifications. Initial skills training encompasses hydraulic system theory and operation, electrical and electronic principles, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen are assigned to the Training Wing for completion of Course J3ABR2A635 000, Aircraft Hydraulic Systems Apprentice. Completion of this course will result in award of the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. Specialty Qualification:

10.2.1.1. Knowledge: In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain hydraulic systems and associated subsystems. An individual must be task qualified on inspecting aircraft hydraulic systems and components, troubleshooting and correcting system malfunctions, and repairing and replacing system components. Journeymen perform operational checks, component repair, and maintenance of test and support equipment. Individuals can apply the proper handling, storing, use, and disposal of hazardous waste and materials.

10.2.1.2. Education: There is no formal education for upgrade to 2A655.

10.2.1.3. Training: Requirements for the Journeyman level require completion of the 5-level CDC and completion of the core tasks specified in the STS.

⋆10.2.1.4. Experience. Qualification in and possession of AFS 2A635 and completion of all 5-level core tasks on at least one mission design series (MDS) aircraft identified in the STS is mandatory.

10.2.1.5. Other: Normal color vision as defined in AFI 48-123 is mandatory.

10.2.2. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

⋆10.2.3. Implementation. Training to the 5-level is performed by the units utilizing this STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the 2A655 CDC and 15 months upgrade training.

10.3. Craftsman Level Training:

10.3.1. Specialty Qualification.

10.3.1.1. Knowledge. In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of hydraulic systems. The 7-level must be able to supervise and train personnel to maintain hydraulic systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level.

10.3.1.3. Training. Completion of CDCs 2A675, 2AX7X and the resident 7-level course, J3ACR2A675-000, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A675**.**

10.3.1.4. Experience. Completion of all required 7-level core tasks as identified in the STS, and qualification in and possession of AFSC 2A655. Also, experience performing or supervising functions such as installing, maintaining, or repairing aircraft hydraulic systems.

10.3.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.3.2. Training Sources and Resources. Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, and the formal 7-level course, J3ACR2A675-000. The 7-level CDC and resident courses are written to provide advanced system and management knowledge, and troubleshooting skills.

✯10.3.3. Implementation. Training to the 7-level is performed by the units utilizing the STS and CDCs. Upgrade to the 7-level requires completion of CDCs 2AX7X and 2A675, completion of all core tasks, 12 months OJT, completion of the advanced (Craftsman) in-resident technical school and promotion to SSgt.

10.4. Superintendent Level Training (9-Level).

10.4.1. Specialty Qualification.

10.4.1.1. Knowledge. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget, and manage funds and other resources; and must be knowledgeable of all environmental standards and ensure adherence to the proper handling, storage, and disposal of hazardous materials.

10.4.1.2. Education. There are no additional requirements beyond those defined for the apprentice level.

10.4.1.3. Training. For award of AFSC 2A690, completion of Senior NCO Academy and promotion to SMSgt is mandatory

10.4.1.4. Experience. Qualification in and possession of AFSC 2A675. Also experience managing or directing repair activities for hydraulic systems, and associated maintenance functions.

10.4.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.4.2. Training Sources and Resources. The Senior NCO Academy and unit OJT will be used for training.

10.4.3. Implementation. The 9-level will be awarded after promotion to SMSgt and completion of: MAJCOM requirements, unit OJT, and the Senior NCO Academy (in-residence or by correspondence).

SECTION D - RESOURCE CONSTRAINTS

Purpose: This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect of training, the resources needed, and the actions required to satisfy training requirements.

12. Three-level Training. There are no constraints.

13. Five-level Training. There are no constraints.

14. Seven-level Training. There are no constraints.

PART II

SECTION A - SPECIALTY TRAINING STANDARD

★★1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning November 1999.

★★2. Purpose. As prescribed in AFI 36-2201, this STS:
★★2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.
★★2.2. Identifies in column 2 (Core Tasks) by asterisk (*), specialty-wide training requirements. Core tasks identified with an */R are optional for the AFRC and the ANG. MAJCOM Functional Managers, commanders, and supervisors may designate additional core tasks as necessary. When designated, certify these core tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:
★★2.2.1. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training)
★★2.2.2. For units with more than one mission design (e.g. A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design. MFMs, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. *Flightline-assigned personnel must complete backshop core tasks and vice versa*. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.
★★2.2.3. Units that use the GO81 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) Computer Based Training (CBT) core tasks. However, these units must be capable of training CAMS related CBT core tasks for deployment preparation. This capability ensures GO81 users are capable of operating CAMS prior to deploying to CAMS using units. This requirement will remain in effect until GO81 and CAMS are converted to the Integrated Maintenance Data System (IMDS).
★★2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification completed date.
★★2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

★★2.5. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

★★2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

★★2.6.1 Documentation. Document and certify completion of training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Use of attachments one, two and nine is mandatory in individual training records along with CFETP Part I and Part II, Section A. Use of at least one of attachments three through eight is required. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks. There are no approved AFJQS for this AFSC.

★★2.6.1.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications.

★★2.6.1.1.1. For those core and critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and certifier's initials. Remember, during the transcription process no training is taking place. Therefore, the trainer's initials are not required.

★★2.6.1.1.2. For non-core and non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, recertify using current date as completion date, and enter trainee's and trainer's initials.

★★2.6.1.1.3. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, recertify using standard certification procedures.

★★2.6.1.1.4. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

★★2.6.1.1.5. Upon completion of the transcription process, give the old CFETP to the member.

★★2.6.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: Supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. ***Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.***

★★2.6.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

★★2.6.2. AF Form 797. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the 797. Fill out the form IAW AFMAN 36-2247.

★★2.6.3. Disposition of Training Records. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

★★2.7. Specialty Training Standard. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

★★3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 365 TRS/TRR, 609 9th Avenue Stop 242, Sheppard AFB TX, 76311-2335, DSN 736-3245. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

9 Attachments
1. PROFICIENCY CODE KEY (Mandatory in records with CFETP Part I and Part II, Section A)
2. FUNDAMENTAL TRAINING REQUIREMENTS (Mandatory)
3. AMC TRAINING REQUIREMENTS (Optional)
4. FIGHTER REQUIREMENTS (Optional)
5. B-52 REQUIREMENTS (Optional)
6. B-1 SPECIFIC REQUIREMENTS (Optional)
7. E-3 SPECIFIC REQUIREMENTS (Optional)
8. B-2 SPECIFIC REQUIREMENTS (Optional)
9. CDC 2AX7X TRAINING REQUIREMENTS (Mandatory)

NOTE: Use of at least one of attachments three through eight is required.

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written*)*	SSAN

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	**Definition: The individual**
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

\- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDC's.

/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time.

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 2 NOTE 1: The tasks and knowledge listed in attachment 2 apply to all personnel in the hydraulic systems specialty. NOTE 2: Tasks and knowledge identified by an asterisk (*) in column 1 are trained in the in-resident AETC wartime courses. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Items marked in columns 2a 0r 2b marked with a *R are optional core tasks for ANG and AFRC. NOTE 5: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-2772.												
A2.1. SECURITY											
A2.1.1. Communication Security (COMSEC) TR: DOD 5200; 1R, AFP 100-46											
A2.1.1.1. Classify information								-	-	-	-
A2.1.1.2. Prevent security violations								-	-	-	-
A2.1.1.3. Use MAJCOM/SOA EEFIs								-	-	-	-
A2.1.1.4. Observe security precautions involved in communications								-	-	-	-
A2.2. Operations Security (OPSEC) TR: AFI 10-1101											
A2.2.1. Definition of OPSEC								-	-	-	-
A2.2.2. History of OPSEC								-	-	-	-
A2.2.3. Relationship of OPSEC to other security programs such as COMSEC, information security, and physical security								-	-	-	-
A2.2.4. Common OPSEC vulnerabilities								-	-	-	-
A2.2.5. OPSEC significance of unclassified data								-	-	-	-
*A2.2.6. Specific OPSEC vulnerabilities								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 91-302; Applicable OSHA and AFOSH standards											
*A2.3.1. Hazards of the AFSC 2A6X5								A	B	-	-
A2.3.1.1. Initiate AFTO Form 55								-	-	-	-
A2.3.2. AFOSH standards for AFSC 2A6X5								A	B	-	-
A2.3.3. Nuclear safety/nuclear safety regulations TR: AFIs 36-2104, 91-101, 91-104								-	B	-	-
A2.3.4. Maintain safe work area TR: AFIs 21-101, 32-2001								2b	B	-	-
✯A2.3.5. Use safety practices TR: AFIs 21-101, 32-2001; TOs 32-1-2, 32-1-101; AFOSH 91-2, -3; 91-12, -22, -31, -32, -45, -56, -67, -100; 161-9, -20, -21											
*A2.3.5.1. In shop								2b	B	-	-
*A2.3.5.2. On flightline								2b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.3.5.3. Tools/equipment								2b	B	-	-
*A2.3.5.4. Portable fire extinguishers								b	-	-	-
✯*A2.3.6. Initial Federal Hazard Communication Training Program (FHCTP) TR: AFOSH 161-21, 161-21-1W, 161-21-1G								A	-	-	-
A2.3.7. Select/use restraint harness								-	-	-	-
✯A2.4. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: EPA State Regulations											
*A2.4.1. Types of hazardous materials/fluids								B	B	-	-
*A2.4.2. Handling procedures								B	B	-	-
*A2.4.3. Storage and labeling								B	B	-	-
*A2.4.4. Proper disposal								B	B	-	-
A2.5. MAINTENANCE MANAGEMENT											
A2.5.1. Logistics Support/OPS Group Organizational Structure TR: AFI 21-101 and applicable MAJCOM directives								-	B	-	-
A2.5.2. Basic functions/structure within the maintenance complex								A	B	-	-
A2.5.3. Core Automated Maintenance System (CAMS) TR: AFMs 66-279; TO 00-20 series								B	B	-	-
*A2.5.4. Processing and controlling material TR: AFI 21-101, TO 00-20 series								A	B	-	-
✯✯A2.5.5. Management of training TR: AFI 36-2201								A	B	-	-
✯✯*A2.5.6. Maintenance Data Collection TR: TO 00-20 series								A	B	-	-
✯✯A2.5.7. Minimum Essential Subsystem List (MESL) TR: AFI 21-103								-	-	-	-
A2.5.8. Process PMEL equipment								-	-	-	-
A2.5.9. Process repairable assets (DIFM)								-	-	-	-
A2.6. MAINTENANCE AND INSPECTION											
A2.6.1. Maintenance systems TR: AFI 21-101								A	B	-	-
A2.6.2. Inspection systems TR: TO 00-20 series								A	B	-	-
*A2.6.3. Use Core Automated Maintenance System (CAMS) TR: AFMs 66-279; TO 00-20 series	*							2b	-	-	-
✯✯*A2.6.4. Material Deficiency Reporting System TR: TO 00-35D-54, AFM 66-279								A	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.6.5. Use maintenance data collection forms TO 00-20 series								2b	B	-	-
A2.6.6. Accomplish aircraft records/781 series forms TR: TO 00-20 series								-	-	-	-
A2.6.7. Accomplish support equipment maintenance records TR:TO 00-20 series								-	-	-	-
A2.6.8. Perform aircraft periodic inspection workcards TR: Applicatble –6 TOs	*							-	-	-	-
A2.7. SUPERVISION											
A2.7.1. Orient new personnel TR: AFI 36-2101, 36-2201								-	-	-	-
A2.7.2. Assign personnel to work crews TR: AFI 21-101								-	-	-	-
A2.7.3. Plan work assignments and priorities TR: AFI 21-101								-	-	-	-
A2.7.4. Schedule work assignments TR: AFI 21-101								-	-	-	-
A2.7.5. Establish											
A2.7.5.1. Work methods								-	-	-	-
A2.7.5.2. Controls								-	-	-	-
A2.7.5.3. Performance standards TR: AFI 21-101								-	-	-	-
A2.7.6. Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-	-
A2.7.7. Resolve technical problems for subordinate personnel TR: AFI 21-101								-	-	-	-
A2.7.8. Counsel personnel and resolve individual problems								-	-	-	-
A2.7.9. Initiate action to correct substandard performance by personnel TR: AFIs 36-2907, 36-2503								-	-	-	-
✯✯A2.7.10. Inspect Maintenance Actions (IPI, Red X, etc) TR: TO 00-20-5								-	-	3c	B
A2.7.11. Justify Personnel								-	-	-	-
A2.7.12. Justify Equipment								-	-	-	-
A2.8. TRAINING TR: AFI 36-2201											
A2.8.1. Evaluate personnel to determine need for trng								-	-	-	-
A2.8.2. Plan and supervise OJT											
A2.8.2.1. Prepare job qualification standards								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.8.2.2. Conduct training								-	-	-	-
A2.8.2.3. Counsel trainees on their progress								-	-	-	-
A2.8.2.4. Monitor effectiveness of training											
A2.8.2.4.1. Career knowledge upgrade								-	-	-	-
A2.8.2.4.2. Job proficiency upgrade								-	-	-	-
A2.8.2.4.3. Qualifications								-	-	-	-
A2.8.3. Maintain training records								-	-	-	-
A2.8.4. Evaluate effectiveness of training programs								-	-	-	-
A2.8.5. Recommend personnel for training TR: AFIs 36-2101								-	-	-	-
A2.9. TECHNICAL PUBLICATIONS											
*A2.9.1. Fundamentals of the TO system TR: TO 00-5 series								B	B	-	-
*A2.9.2. Use technical manuals TR: TO 00-5-1 (Sec II and V); specific equipment technical manuals	*							2b	B	-	-
A2.9.3. Use standard publications TR: AFI 0-series		*						-	-	-	-
*A2.9.4. Use methods and procedures TOs TR: TO 00-XX series	*							2b	B	-	-
*A2.9.5. Use abbreviated technical orders TR: TO 00-5-1 (sec II), applicable abbrev TOs	*							2b	-	-	-
*A2.9.6. Comply with Time Compliance TOs TR: AFI 21-101; TO 00-5-15, applicable TCTOs								b	B	-	-
*A2.9.7. Initiate technical order improvement report TR: TO 00-5-1 (sec V)		*						a	B	-	-
✯A2.10. AF SUPPLY TR: AFM 23-110, AFM 66-279, TO 00-25-195											
*A2.10.1. Property accountability								A	B	-	-
✯✯A2.10.2. Principles of supply authorization and mgmt								-	A	-	-
A2.10.3. SBSS								2b/b	B	-	-
A2.10.4. Fed Log								-	A	-	-
✯✯A2.10.5. DLA/DLR								-	B	-	-
A2.10.6. Funds management								-	-	-	-
A2.10.7. Maintain supply records								-	-	-	-
A2.10.8. Prepare forms for special requisition, issue, and parts turn in								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.11. HYDRAULIC MAINTENANCE PRINCIPLES											
*A2.11.1. Composite Tool Kit (CTK) Program TR: AFI 21-101								A	B	-	-
A2.11.2. Use maintenance materials TR: AFOSH 127-66; TOs 32-1-2, 32-1-101, 32B14-3-1-101, 00-25-223, 33 Series TOs											
A2.11.2.1. Tools											
*A2.11.2.1.1. Handtools	*							2b	B	-	-
*A2.11.2.1.2. Mechanical Measuring devices	*							2b	B	-	-
*A2.11.2.1.3. Multimeters	*							2b	B	-	-
A2.11.2.2. Aircraft hardware TR TOs 00-25-223, 1-1A-8, 1-1A-14, 44H1-1-13											
*A2.11.2.2.1. Common hardware								2b	B	-	-
*A2.11.2.2.2. Safety devices								2b	B	-	-
*A2.11.2.2.3. Sealing devices	*							2b	B	-	-
*A2.11.2.3 Fluids TR: TO 42B2-1-3								2b	B	-	-
*A2.11.2.4 Lubricants TR: TO 00-25-223								2b	B	-	-
*A2.11.2.5. Cleaning agents TR: TO 1-1-691								2b	B	-	-
*A2.11.2.6. Sealants TR: TO 1-1-691								a	B	-	-
*A2.11.3. Corrosion identification TR: TO 1-1-691								A	B	-	-
A2.11.4. Hose assemblies TR: TO 42E series											
*A2.11.4.1. Component identification								A	B	-	-
A2.11.4.2. Determine serviceability	*							-	B	-	-
A2.11.4.3. Fabricate											
*A2.11.4.3.1 Machine								1b	B	-	-
*A2.11.4.3.2. Hand	*							2b	B	-	-
*A2.11.4.4 Test	*							1b	-	-	-
A2.11.5. Tubing TR: TO 1-1A-8											
A2.11.5.1. Identification								-	B	-	-
A2.11.5.2 Determine Serviceability	*							-	B	-	-
A2.11.5.3. Test								-	-	-	-
A2.11.5.4. Remove/Install Permaswedge								-	-	-	-
A2.11.5.5. Reseal Permaswedge								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.11.5.6. Remove/Install Fitting								-	-	-	-
A2.11.5.7. Reseal Fitting								-	-	-	-
A2.1..6. Common maintenance practices TR: 00-25-172, applicable abbreviated equipment and aircraft TOs											
A2.11.6.1. Jack or level aircraft											
A2.11.6.1.1. Safety								-	B	-	-
A2.11.6.1.2. Manual								-	-	-	-
A2.11.6.1.3. Manifold								-	B	-	-
A2.11.6.1.4. Perform jacking team member duties								-	-	-	-
*A2.11.6.2. Ground aircraft or equipment	*							A	-	-	-
A2.11.6.3. Lubricate aircraft								-	B	-	-
A2.11.6.4. Tow or move aircraft								-	-	-	-
A2.11.6.4.1. Perform wing/tail walker duties IAW applicable TO/checklist								-	-	-	-
A2.11.6.5. Operate air conditioner								-	-	-	-
A2.11.6.6. Install and remove ground safety devices								-	-	-	-
A2.11.6.7. Perform refuel/defuel team member duties IAW applicable TO/checklist								-	-	-	-
A2.11.6.8. Open and close engine cowling								-	-	-	-
A2.11.6.9. Remove/install aircraft access panels								-	-	-	-
A2.11.6.10. Use interphone								-	-	-	-
A2.11.6.11. Marshall aircraft								-	-	-	-
A2.11.6.12. Perform aircraft egress								-	-	-	-
A2.11.6.13. Foreign object damage (FOD)/dropped object prevention program (DOPP) in and around aircraft								-	-	-	-
✯✯A2.11.6.14. Logical Troubleshooting Method								-	-	-	B
A2.12. AIRCRAFT FAMILIARIZATION TR: AFI 16-401; applicable aircraft TOs											
*A2.12.1. Principles of flight								B	B	-	-
*A2.12.2. Aircraft designation system								B	-	-	-
*A2.12.3. Major aircraft system								B	-	-	-
*A2.12.4. Location of structural components								B	-	-	-
A2.12.5. Operation of external power unit								-	-	-	-
*A2.12.6. Apply/Disconnect external electrical power	*							2b	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.12.7. Apply/disconnect external hydraulic power	*							2b	-	-	-
A2.13. ELECTRICAL/ELECTRONIC FUNDAMENTALS APPLICABLE TO AFSC 2A6X5 TR: TO 31 series; applicable aircraft TOs											
✯✯*A2.13.1. DC fundamentals								A	B	-	-
✯✯*A2.13.2. AC fundamentals								A	B	-	-
✯✯*A2.13.3. Operational fundamentals of basic circuits								A	B	-	-
*A2.13.4. Use schematics and diagrams								1b	B	c	B
✯✯*A2.13.5. Troubleshoot circuits								1b	B	c	-
A2.13.6. Aircraft guarded switches								-	-	-	-
A2.14. HYDRAULIC FUNDAMENTALS TR: TM 1-1500-204-23-2, Aviation Unit Maintenance Manual, Pneudraulic Maintenance and Practices Volume 2											
*A2.14.1. Principle of hydraulics								A	B	-	-
*A2.14.2. Principles of pneumatics								A	B	-	-
✯✯*A2.14.3. Use schematics and diagrams	*							1b	B	c	-
A2.15. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
*A2.15.1. Operational fundamentals								B	B	-	-
*A2.15.2. Inspect system	*							2b	B	-	-
*A2.15.3. Perform operational check	*							1b	-	-	-
A2.15.4. Drain hydraulic system								-	-	-	-
*A2.15.5. Flush hydraulic system								-	B	-	-
*A2.15.6. Service Accumulator	*							1b	B	-	-
A2.15.7. Service Reservoir	*							1b	B	-	-
A2.15.8. Remove components											
*A2.15.8.1. Pumps								2b	-	-	-
A2.15.8.2. Motors								-	-	-	-
A2.15.8.3. Valves								-	-	-	-
A2.15.8.4. Filters								-	-	-	-
*A2.15.8.5. Reservoirs								2b	-	-	-
A2.15.8.6. Manifolds								-	-	-	-
A2.15.8.7. Accumulators								-	-	-	-
A2.15.8.8. Indicating Devices								-	-	-	-
A2.15.9. Install components											
*A2.15.9.1. Pumps								2b	-	-	-
A2.15.9.2. Motors								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.15.9.3. Valves								-	-	-	-
A2.15.9.4. Filters								-	-	-	-
*A2.15.9.5. Reservoirs								2b	-	-	-
A2.15.9.6. Manifolds								-	-	-	-
A2.15.9.7. Accumulators								-	-	-	-
A2.15.9.8. Indicating Devices								-	-	-	-
A2.15.10. Bleed hydraulic system	*							-	B	-	-
A2.15.11. Repair./overhaul components											
A2.15.11.1. Pumps								-	-	-	-
A2.15.11.2. Motors								-	-	-	-
A2.15.11.3. Valves								-	-	-	-
A2.15.11.4. Filters								-	-	-	-
A2.15.11.5. Reservoirs								-	-	-	-
A2.15.11.6. Manifolds								-	-	-	-
*A2.15.11.7. Accumulators								2b	B	-	-
A2.15.11.8. Indicating Devices								-	-	-	-
A2.15.12. Bench check components											
✯*A2.15.12.1. Pumps								-	B	-	-
A2.15.12.2. Motors								-	-	-	-
A2.15.12.3. Valves								-	-	-	-
A2.15.12.4. Filters								-	-	-	-
✯*A2.15.12.5. Reservoirs								-	B	-	-
A2.15.12.6. Manifolds								-	-	-	-
✯A2.15.12.7. Accumulators								2b	-	-	-
A2.15.12.8. Indicating Devices								-	-	-	-
A2.15.13. Perform adjustments								-	B	-	-
*A2.15.14. Troubleshoot malfunctions		*						1b	B	3c	-
A2.16. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
*A2.16.1. Operational fundamentals								B	B	-	-
*A2.16.2. Perform operational check of normal system	*							1b	-	-	-
*A2.16.3. Perform operational check of emergency system								1b	-	-	-
*A2.16.4 Inspect	*							2b	-	-	-
*A2.16.5. Service Struts	*							1b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.16.6. Remove components											
A2.16.6.1. Actuators								-	-	-	-
A2.16.6.2. Motors								-	-	-	-
A2.16.6.3. Manifolds								-	-	-	-
A2.16.6.4. Valves								-	-	-	-
A.16.6.5. Swivels								-	-	-	-
A2.16.7. Install components								-	-	-	-
✯✯A2.16.7.1. Actuators								-	-	-	-
✯✯A2.16.7.2. Motors								-	-	-	-
✯✯A2.16.7.3. Manifolds								-	-	-	-
✯✯A2.16.7.4. Valves								-	-	-	-
✯✯A2.16.7.5. Swivels								-	-	-	-
A2.16.8. Bleed landing gear system								-	B	-	-
A2.16.9. Repair/Overhaul components											
*A2.16.9.1. Actuators								2b	-	-	-
A2.16.9.2. Motors								-	-	-	-
A2.16.9.3. Manifolds								-	-	-	-
A2.16.9.4. Valves								-	B	-	-
A2.16.9.5. Swivels								-	-	-	-
A2.16.9.6. Main Strut								-	-	-	-
A2.16.9.7. Nose Strut								-	-	-	-
A2.16.10. Bench check components											
*A2.16.10.1. Actuators								1b	-	-	-
A2.16.10.2. Motors								-	-	-	-
A2.16.10.3. Manifolds								-	-	-	-
A2.16.10.4. Valves								-	B	-	-
A2.16.10.5. Swivels								-	-	-	-
A2.16.10.6. Main Strut								-	-	-	-
A2.16.10.7. Nose Strut								-	-	-	-
A2.16.11. Perform adjustments								-	B	-	-
*A2.16.12. Troubleshoot malfunctions		*						1b	B	3c	-
A2.17. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft Tos											
*A2.17.1. Operational fundamentals								B	B	-	-
*A2.17.2. Perform operational check	*							1b	-	-	-
*A2.17.3. Inspect	*							B	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.17.4. Remove components											
A2.17.4.1. Actuators								-	-	-	-
A2.17.4.2. Manifolds								-	-	-	-
A2.17.4.3. Valves								-	-	-	-
A2.17.4.4. Swivels								-	-	-	-
A2.17.5. Install components											
A2.17.5.1. Actuators								-	-	-	-
A2.17.5.2. Manifolds								-	-	-	-
A2.17.5.3. Valves								-	-	-	-
A2.17.5.4. Swivels								-	-	-	-
A2.17.6. Bleed system								-	-	-	-
A2.17.7. Repair/Overhaul components											
A2.17.7.1. Actuators								-	-	-	-
A2.17.7.2. Manifolds								-	-	-	-
A2.17.7.3. Valves								-	-	-	-
A2.17.7.4. Swivels								-	-	-	-
A2.17.8. Bench check components											
A2.17.8.1. Actuators								-	-	-	-
A2.17.8.2. Manifolds								-	-	-	-
A2.17.8.3. Valves								-	-	-	-
⚒⚒A2.17.8.4. Swivels								-	-	-	-
A2.17.9. Perform adjustments								-	-	-	-
*A2.17.10. Troubleshoot malfunctions		*						1b	B	-	-
A2.18. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
*A2.18.1. Operational fundamentals								B	B	-	-
A2.18.2. Perform operational check	*							-	-	-	-
A2.18.3. Inspect	*							-	-	-	-
*A2.18.4. Service components								1b	B	-	-
A2.18.5. Remove components								-	-	-	-
A2.18.5.1. Swivels								-	-	-	-
A2.18.5.2. Manifolds								-	-	-	-
A2.18.5.3. Accumulators								-	-	-	-
A2.18.5.4. Valves								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.22.6.7. Switches								-	-	-	-
A2.22.6.8. Lock Latch								-	-	-	-
A2.22.6.9. Actuators								-	-	-	-
A2.22.6.10. Accumulator								-	-	-	-
A2.22.6.11. Surge Boots								-	-	-	-
A2.22.6.12. Hose Reel								-	-	-	-
A2.22.7. Bleed system								-	-	-	-
A2.22.8. Repair/Overhaul components											
A2.22.8.1. Nozzle								-	-	-	-
A2.22.8.2. Valves								-	-	-	-
A2.22.8.3. Boom Assembly								-	-	-	-
A2.22.8.4. Actuators								-	-	-	-
A2.22.8.5. Accumulator								-	-	-	-
A2.22.8.6. Hose Reel								-	-	-	-
A2.22.8.7. Drogue Assemblies								-	-	-	-
A2.22.9. Bench check components								-	-	-	-
A2.22.9.1. Nozzle								-	-	-	-
A2.22.9.2. Valves								-	-	-	-
A2.22.9.3. Boom Assembly								-	-	-	-
A2.22.9.4. Actuators								-	-	-	-
A2.22.9.5. Accumulator								-	-	-	-
A2.22.9.6. Hose Reel								-	-	-	-
A2.22.9.7. Drogue Assemblies								-	-	-	-
A2.22.10. Perform adjustments								-	-	-	-
A2.22.11. Rig IFR system		*						-	-	-	-
A2.22.12. Troubleshoot malfunctions		*						-	B	-	-
A2.23. SHOP AND AEROSPACE GROUND EQUIPMENT TR: Applicable equipment TOs											
A2.23.1. Shop equipment											
A2.23.1.1. Hose cutoff machine											
*A2.23.1.1.1. Operate								2b	B	-	-
A2.23.1.1.2. Maintain	*							-	B	-	-
A2.23.1.2. Hose assembly machine											
*A2.23.1.2.1. Operate								2b	B	-	-
A2.23.1.2.2. Maintain	*							-	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.23.1.3. Hydraulic test stand											
*A2.23.1.3.1. Operate								2b	B	-	-
A2.23.1.3.2. Maintain	*							-	B	-	-
*A2.23.1.3.3. Connect to components								2b	-	-	-
A2.23.1.3.4. Troubleshoot		*						-	-	c	-
A2.23.1.3.5. Repair								-	-	-	-
A2.23.1.4. Pneumatic test stand											
A2.23.1.4.1. Operate								-	-	-	-
A2.23.1.4.2. Maintain								-	-	-	-
A2.23.1.4.3. Connect to components								-	-	-	-
A2.23.1.4.4. Troubleshoot								-	-	-	-
A2.23.1.4.5. Repair								-	-	-	-
A2.23.2. Operate ground support equipment											
*A2.23.2.1. Portable hydraulic test stands	*							1b	B	-	-
A2.23.2.2. Ground power units	*							-	B	-	-
*.A2.23.2.3. Nitrogen servicing carts								1b	B	-	-
A2.23.2.4. Air compressor units								-	B	-	-
*A2.23.2.5. Hydraulic servicing carts								1b	-	-	-
A2.23.2.6. Hydraulic jacks								-	B	-	-
A2.23.2.7. Maintenance stands								-	B	-	-
A2.23.2.8. Jacking manifold								-	B	-	-
✯✯A2.24. INTEGRATED MAINTENACNE DATA SYSTEM (IMDS) TR: AFI21-101											
✯✯A2.24.1. IMDS Training Subsystem											
✯✯A2.24.1.1. Purpose of the IMDS training subsystem								A/-	B/-	B/-	-
✯✯A2.24.1.2. Document master Task List (MTL)								-	-	B/-	-
✯✯A2.24.1.3. Perform Ad Hoc inquiry								-	-	B/-	-
✯✯A2.24.1.4. Identify duty position requirements								-	-	B/-	-
✯✯A2.24.1.5. Document task certification								a/-	B/-	B/-	-
✯✯A2.24.2 IMDS Maintenance Data Collection (MDC)											
✯✯A2.24.2.1 Purpose of MDC process								A/-	B/-	-	-
✯✯A2.24.2.2. Use IMDS to:											
✯✯A2.24.2.2.1 Create jobs	*							3c/-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
⋆⋆A2.24.2.2.2 Transfer jobs	*							2b/-	-	-	-
⋆⋆A2.24.2.2.3. Clear jobs	*							3c/-	-	-	-
⋆⋆A2.24.2.2.4. Document component maintenance actions	*							3c/-	-	-	-
⋆⋆A2.24.2.2.5. Document cannibalization	*							3c/-	-	-	-
⋆⋆A2.24.2.2.6. Use Portable Maintenance Aid (PMA)	*							2b/-	-	-	-
⋆⋆A2.24.2.2.7. Order parts	*							3c/-	-	-	-
⋆⋆A2.24.2.2.8. Review maintenance status	*							3c/-	-	-	-
⋆⋆A2.24.2.2.9. Review equipment status	*							3c/-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.5.5.4. Landing gear shock strut assembly								-	-	-	-
A3.5.5.5. Landing gear hydraulic clutch								-	-	-	-
A3.5.5.6. MLG kneel brake								-	-	-	-
A3.5.5.7. Landing gear hydraulic motor brake								-	-	-	-
A3.5.5.8. Remove/install landing gear gland								-	-	-	-
A3.5.6. Repair/Overhaul components											
A3.5.6.1. Struts											
A3.5.6.1.1. Centerline								-	-	-	-
A3.5.7. Perform adjustments											
A3.5.7.1. Adjust 90 degree switch on MLG normal rotation actuator								-	-	-	-
A3.5.8. Service MLG pitch position/axle beam positioner system								-	-	-	-
A3.6. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft TOs											
A3.6.1. Operational fundamentals											
A3.6.1.1. Steering system (normal/alternate)								-	-	-	-
A3.6.1.2. Rudder pedal steering system								-	-	-	-
✯A3.6.2. Perform operational check								-	-	-	-
A3.6.2.1. NLG steering hydraulic system								-	-	-	-
A3.6.2.2. Rudder pedal steering system								-	-	-	-
✯A3.6.3. Inspect NLG steering hydraulic components								-	-	-	-
A3.6.4. Remove/install components											
A3.6.4.1 Actuators											
A3.6.4.1.1. NLG steering actuator								-	-	-	-
A3.6.4.1.2. Nose landing gear rudder pedal steering actuator								-	-	-	-
A3.6.4.2. Valves											
A3.6.4.2.1. NLG steering control valve								-	-	-	-
A3.6.4.2.2. NLG steering shuttle bypass/relief valve								-	-	-	-
A3.6.4.2.3. NLG rudder pedal steering shutoff valve/bypass								-	-	-	-
A3.6.4.2.4. Steering metering valve								-	-	-	-
A3.6.4.3. Nose wheel and rudder pedal steering LRUs								-	-	-	-
A3.6.5. Repair/overhaul/bench check components											
A3.6.5.1. Valves											
A3.6.5.1.1. Control valves								-	-	-	-
A3.6.5.1.2. Shutoff valves								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Attachment 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5-Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.6.5.1.3. Bypass valves								-	-	-	-
A3.6.5.1.4. Relief valves								-	-	-	-
A3.6.5.1.5. Metering valves								-	-	-	-
A3.6.5.2. Restrictors								-	-	-	-
A3.7. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A3.7.1. Perform operational check											
A3.7.1.1. Operational check of MLG brake system								-	-	-	-
A3.7.1.2. Brake/anti-skid BITE check of MLG brake system								-	-	-	-
A3.7.2. Inspect											
A3.7.2.1. MLG brake/anti-skid hydraulic components								-	-	-	-
A3.7.2.2. Hot brakes								-	-	-	-
A3.7.3. Remove/install components											
A3.7.3.1. Manifolds											
A3.7.3.1.1. Primary and alternate brake manifold								-	-	-	-
A3.7.3.1.2. Antiskid manifold								-	-	-	-
A3.7.3.1.3. Brake shuttle/manifold assembly								-	-	-	-
A3.7.3.2. Valves											
A3.7.3.2.1. MLG seven port brake valve								-	-	-	-
A3.7.3.2.2. Brake/antiskid E.H. valves								-	-	-	-
A3.7.3.2.3. Brake selector valve								-	-	-	-
A3.7.3.2.4. Brake main metering/limiter valve								-	-	-	-
A3.7.3.2.5. Pilot/copilot brake metering valve								-	-	-	-
A3.7.3.2.6. Dual brake control valve								-	-	-	-
A3.7.3.2.7. Parking brake valves								-	-	-	-
A3.7.3.2.8. Brake deboost valve								-	-	-	-
A3.7.3.3. MLG ballscrew brake fluid transfer								-	-	-	-
A3.7.3.4. Brake valve actuator								-	-	-	-
A3.8. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A3.8.1. Operational fundamentals											
A3.8.1.1. Primary flight controls											
A3.8.1.1.1. Aileron								-	-	-	-
A3.8.1.1.2. Elevator								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 9 NOTE 1: The tasks and knowledge contained in Attachment 9 are taught in CDC 2AX7X and are generic to all Aircraft Maintenance career fields. The "X/-" items (e.g. "B/-") reflect pending additions to CDC 2AX7X. dated Apr 98. This STS will be revised once the new CDC 2AX7X is published. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Items marked in columns 2a or 2b marked with a (*R) are optional core tasks for ANG and AFRC. NOTE 4: Address comments and recommended changes through Unit Training Managers to the MAJCOM Maintenance Training Manager @ HQ AMC/LGQRT, 402 Scott Drive Unit 2A2, Scott AFB, IL 62225-5308; or call DSN 576-4787. MAJCOM Training and Functional Managers forward inputs to the AETC Training Manager, DSN 736-2772.											
A9.1. MANAGEMENT WITHIN THE MAINTENANCE COMPLEX											
A9.1.1. Functions of the Maintenance Complex								-	-	-	B-
A9.1.1.1. Operations / Logistics Group Commander Responsibilities								-	-	-	B
A9.1.1.2. Accountability and Core Values								-	-	-	B/-
A9.1.2. Aircraft Maintenance Management Information Systems								-	-	-	B
A9.1.2.1. Engines, Pods, Test Stations, PMEL								-	-	-	B/-
A9.1.2.2. Aircraft Monitoring								-	-	-	B/-
A9.1.2.3. Engines, Pods, Test Stations								-	-	-	B/-
A9.1.3. Compliance and Standardization Requirements Listing								-	-	-	A
A9.1.4. Maintenance QPM Relationships								-	-	-	B
A9.1.4.1. Repeat/Recur, Fix, Break, CANN, and CND Rates								-	-	-	B/-
A9.1.5. FOD Program Manager								-	-	-	A
A9.1.6. Joint Oil Analysis Program								-	-	-	B/-
A9.1.6.1. Oil Consumption								-	-	-	A/-
A9.1.7. Mobility								-	-	-	A
A9.1.7.1. Hazard Declarations for Mobility Packages								-	-	-	A/-
A9.1.7.2. Hazardous Material Handling Procedures								-	-	-	B
A9.1.8. Expediter, Production Supervisor, and Flight Chief Duties and Responsibilities								-	-	-	B
A9.1.8.1. Calculation of ETIC (cure time, sealants, adhesives)								-	-	-	A/-
A9.1.8.2. Special Certification Rosters								-	-	-	B/-
A9.1.9. Maintenance Incident Investigation and Prevention								-	-	-	B
A9.1.9.1. Aircraft Impoundment								-	-	-	A/-
A9.1.9.2. Engines, Aircraft, (AGE)								-	-	-	A/-
A9.1.10. Operational Risk Management								-	-	-	A
A9.1. 10.1. Supervisors Moral / Legal Responsibility in Enforcing Safety Standards								-	-	-	B/-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.1.10.2. Restricted Maintenance Areas								-	-	-	A
A9.1.10.3. Fuel Repair, Jacking, Compass Rows,								-	-	-	A
A9.1.10.3.1 Hydrazine, Radar, X-ray, Hot Cargo, Weapons, Aircraft Paint Facilities											A/-
A9.1.11. Force Protection								-	-	-	
A9.1.11.1. Classification Info, Access to Classified, COMSEC, OPSEC, COMPUSEC								-	-	-	B/-
A9.1.11.2. Proper Handling of Classified Assets								-	-	-	A
A9.1.12. Aircraft Inspection Concepts (A-D checks, hourly phases)								-	-	-	B/-
A9.2. ENLISTED SPECIALTY TRAINING											
A9.2.1. Training Management and Training Records								-	-	-	B
A9.2.2. Automated Training Records								-	-	-	B/-
A9.2.3. Career Field Education and Training Plan (CFETP)								-	-	-	B
A9.2.4. Specialty Training Standard (STS)								-	-	-	B
A9.2.5. Occupational Survey Report (OSR)								-	-	-	B
A9.2.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A9.2.7. Training Request (Forecasting for Training)								-	-	-	A/-
A9.2.8. Training Waiver Process								-	-	-	B/-
A9.2.9. FEQs and Student Feedback								-	-	-	A/-
A9.3. ACCOUNTABILITY FOR RECORDS, REPORTS, AND FORMS											
A9.3.1. Historical Records								-	-	-	
A9.3.1.1. Aircraft, Engines, Pods								-	-	-	B/-
A9.3. 1.2. AGE Equipment, Automated Historical Records (form 95), AFTO 427/428,								-	-	-	B/-
A9.3.1.3. ECL								-	-	-	B/-
A9.3.1.4. Status Reports (731)								-	-	-	B/-
A9.3.1.5. Minimum Essential Configuration Management								-	-	-	B/-
A9.3.1.6. Audit of Records: Egress, Time Change Items								-	-	-	A/-
A9.3.2. Automated Maintenance Systems								-	-	-	
A9.3.2.1. IMDS, RAMPOD, GO 81								-	-	-	A/-
A9.3.2.2. CAMS								-	-	-	
A9.3.2.2.1. Job Data Documentation (JDD)								-	-	-	B
A9.3.2.2.2. 349s, WCE, Creating and Clearing								-	-	-	B/-
A9.3.2.2.3. Supervisory Screens								-	-	-	B/-
A9.3.2.2.4. Training Screens								-	-	-	A

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.3.3. AFTO Forms 781 and 244s								-	-	-	B
A9.3.4. Configuration Management								-	-	-	B
A9.3.4.1. Aircraft/Equipment Modifications								-	-	-	B/-
A9.3.5. Nuclear Surety								-	-	-	B/-
A9.3.5.1. Dull Sword Reporting								-	-	-	B/-
A9.4. SUPPLY MANAGEMENT											
A9.4.1. Maintenance Supply Concept								-	-	-	B
A9.4.1.1. Supply Documents Management								-	-	-	B
A9.4.1.2. Precious Metal Recovery								-	-	-	A
A9.4.1.3. Bench Stock								-	-	-	A
A9.4.1.4. Establish / Maintain Supply Levels								-	-	-	A
A9.4.1.5. AFTO 375								-	-	-	A/-
A9.4.1.6. Quick Reference List								-	-	-	A/-
A9.4.1.7. Standard Base Supply System (SBSS)								-	-	-	B
A9.4.1.8. ILS-S and GCSS								-	-	-	A/-
A9.4.1.9. FED LOG								-	-	-	A/-
A9.4.1.10. Priority Systems								-	-	-	B
A9.4.1.11. Repair Cycle Assets								-	-	-	B
A9.4.2. Report of Survey, Statement of Charges								-	-	-	B/-
A9.4.3. Equipment Account Management								-	-	-	B
A9.4.3.1. CA/CRL								-	-	-	A
A9.4.3.2. PMEL								-	-	-	A/-
A9.4.3.3. ADPE								-	-	-	A/-
A9.4.4.D. SPRAMS								-	-	-	A
A9.4.5. AFEMS								-	-	-	A/-
A9.4.6. Status of Resources and Training (SORTS)								-	-	-	A
A9.4.7. Classified Asset Handling								-	-	-	A
A9.4.8. Land Mobile Radios, Pages, Cell Phones								-	-	-	A
A9.4.9. Recycling programs								-	-	-	A/-
A9.4.10. Shelf Life Program								-	-	-	A
A9.4.10.1. Shelf Life Extension Data (SLED)								-	-	-	A/-
A9.4.11. Pharmacy								-	-	-	B/-
A9.4.11.1. Qualified Products Listing								-	-	-	B/-
A9.5. LOGISTICS AND RESOURCE MANAGEMENT											
A9.5.1. Logistics Management								-	-	-	B
A9.5.1.1. Agile Logistics								-	-	-	A/-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.5.1.2. 2LM								-	-	-	A/-
A9.5.1.3. O&P								-	-	-	A/-
A9.5.1.4. Express								-	-	-	A/-
A9.5.1.5. Readiness Based Logistics (RBL)								-	-	-	A/-
A9.5.2. Resource Management								-	-	-	B
A9.5.2.1. PEC and Budget Codes								-	-	-	A/-
A9.5.2.2. Form 9s and IMPAC Cards								-	-	-	A/-
A9.5.2.3. Gold Flag								-	-	-	A/-
A9.5.2.4. Financial Plan (FIN Plan)								-	-	-	A/-
A9.5.2.5. APPN 3400 and 3080 Budgeting								-	-	-	A/-
A9.5.2.6. Budget Line 10/30								-	-	-	A/-
A9.5.2.7. AFMC Responsibilities								-	-	-	A/-
A9.5.2.8. DT&E / OT&E								-	-	-	A/-
A9.5.2.9. Acquisition Program Process (OFP, TCTO, New Systems)								-	-	-	A/-
A9.5.2.10. Defense Logistics Agency								-	-	-	A/-
A9.5.3. UMD and UMPR								-	-	-	A
A9.5.3.1. Manning Standards, LCOM								-	-	-	A
A9.5.4. Technical Order Management								-	-	-	B
A9.5.4.1. TODO, TODA, TODCA, TORB								-	-	-	A
A9.5.4.2. AFTO Forms 22, 27, 110, 158,								-	-	-	A
A9.5.4.3. ATOMS								-	-	-	A/-
A9.5.4.4. TCTOs								-	-	-	A
A9.5.4.5. CTOMS								-	-	-	A
A9.5.4.6. PDSCs, JCALS								-	-	-	A/-
A9.5.4.7. Electronic TOs								-	-	-	A/-
A9.5.5. Deficiency Reporting (Hardware and Software								-	-	-	B/-
A9.5.5.1. Reporting of Deficiency (ROD)								-	-	-	B/-
A9.5.5.2. Bad Actor Program								-	-	-	A/-
A9.5.6. Depot Level Repairable/ Repairable (Material) Support Division								-	-	-	B
A9.5.7. TIPWG, STP, PMR, Avionics Maintainer's Conference								-	-	-	A
A9.5.7.1. Job Fairs								-	-	-	A/-
A9.5.7.2. Corrosion Prevention Advisory Board								-	-	-	A/-
A9.6. COMPUTER APPLICATION											
A9.6.1. Using Applications								-	-	-	B

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.6.1.1. Form Flow								-	-	-	B/-
A9.6.1.2. AFEPL								-	-	-	B/-
A9.6.1.3. www, Internet								-	-	-	B/-
A9.6.1.4. Local Area Networks								-	-	-	B

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives using the PC code indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 364 TRS/TRR, 511 9th Ave STE 1, Sheppard AFB TX, 76311-2338.

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS
601 D Street
Keesler AFB, MS 39534-2229
DSN 597-5893

782 TRG
826 Avenue G Suite 4
Sheppard AFB, TX 76311-2867
DSN 736-2568

COURSE NUMBER	COURSE TITLE	DEVELOPER
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP 2EXXX-201LB	C-E Managers Handbook	333 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at: http://www.kee.aetc.af.mil/333trs/qflight

Section D - Training Course Index

9. Purpose. This section of the CFETP identifies training courses available for the Hydraulic Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

364 TRS/TRR
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-2772

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A635 000	Aircraft Hydraulic Systems Apprentice	Sheppard AFB	AF, FMS
J3ACR2A675 000	Aircraft Hydraulic Systems Craftsman	Sheppard AFB	AF
☆J3AZR2A635 001	KC-135 In-Flight Refueling System	Sheppard AFB	AF

11. Extension Course Institute (ECI) Courses.

364 TRS/TTMAS
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-2772

COURSE NO.	COURSE TITLE	USER
CDC 2A655	Aircraft Hydraulic Systems Journeyman	AF
CDC 2A675	Aircraft Hydraulic Systems Craftsman	AF
CDC 2AX7X	Aerospace Maintenance Craftsman	AF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

367 TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

362 TRS
613 10th Ave
Sheppard AFB, TX 76311-2352
DSN 736-5206

The Hill AFB course catalog can be ordered from DSN 777-0160, FAX 777-0897, or www.hill.af.mil/367trss/findex/htm.

COURSE NO.	COURSE TITLE	OPR	USER
00TVT0000	FOD Prevention (VHS tape)	367 TRSS	AF
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	367 TRSS	AF
00TVT0001V1	Troubleshooting Techniques (ICW)	367 TRSS	AF
00TTV0002	Aerospace Ground Equipment Training (ICW)	367 TRSS	AF
00TCB0002V1	Multimeter Familiarization (ICW)	367 TRSS	AF
00TIV0007	Potential Hazards of Oxygen Enriched Environments (VHS tape)	367 TRSS	AF
00CIV0008	Use and Care of Type III Torque Wrenches (ICW)	367 TRSS	AF
00CVT0009	Torque Wrench, Use and Care (VHS tape)	367 TRSS	AF
00TVT0011	Cold Weather Indoctrination (VHS tape)	367 TRSS	AF
00CVT0012	Manual Acft Snow Removal (VHS tape)	367 TRSS	AF
00TVT0017V1	General Aircraft Corrosion Control (VHS tape)	367 TRSS	AF
00TIV1000	Aircraft Marshaling (ICW)	367 TRSS	AF
01SIV8971V5.1.1	-86 Diesel Power Unit Operation (ICW)	367 TRSS	AF
00SIV8972	MA-3D Air Conditioner Operation (ICW)	367 TRSS	AF
01CIV0016	B-1B Emergency Ground Egress	367 TRSS	AF
01CIV0051	B-1B Command Aircraft Systems Training (CAST) General Airplane Information	367 TRSS	AF
01CIV0052	B-1B Hazardous Zones	367 TRSS	AF
01CIV1001	B-1B Safe for Maintenance	367 TRSS	AF
01CIV1615	B-1B Egress System Safety	367 TRSS	AF
01JIV0001	B-1B General Electrical Maintenance, part 1	367 TRSS	AF
01JIV0002	B-1B General Electrical Maintenance, part 2	367 TRSS	AF
01JIV0003	B-1B General Electrical Maintenance, part 3	367 TRSS	AF
01JIV0005	B-1B CITS Parameter Monitor Codes (PMC)	367 TRSS	AF
01JIV0006	B-1B CITS Maintenance Codes	367 TRSS	AF
01JIV0038	B-1B Hardness Critical Procedures (HCP) Check	367 TRSS	AF
01JIV1100	B-1B Panel Types, Location, and Construction	367 TRSS	AF
01JIV1101	B-1B Panel and Secondary Structure Inspection	367 TRSS	AF
01JIV1103	B-1B Forward Equipment Bay (FEB) Panels	367 TRSS	AF
01JIV1134	B-1B Fasteners/Related Hardware	367 TRSS	AF
01JIV2301	B-1B CAST Aircraft Systems and Power Plant	367 TRSS	AF
01JIV4300	B-1B EMUX	367 TRSS	AF
01JIV5500	B-1B CAST CITS/EMUX	367 TRSS	AF
01JIV5501	B-1B Ground Readiness Tests (GRT)	367 TRSS	AF

COURSE NO.	COURSE TITLE	OPR	USER
01SIV1005	B-1B Proximity Switch (Cover/Uncover) Simulated Airborne Conditions	367 TRSS	AF
01SIV2400	B-1B Auxiliary Power Unit Operation	367 TRSS	AF
05IIV3201	C-5 Anti-Skid Detection System	367 TRSS	AF
05TIV1300	C-5 Landing Gear T/S and Maintenance	367 TRSS	AF
05TIV1301	C-5 Landing Gear Rigging	367 TRSS	AF
10CVT0001	KC-10 Emergency Ground Egress	367 TRSS	AF
10TIV4600	KC-10 Air Refueling System T/S and Maintenance	367 TRSS	AF
15AIV1301	F-15 Landing Gear T/S and Maintenance	367 TRSS	AF
16AIV1301	F-16 C/D Landing Gear System T/S and Maintenance	367 TRSS	AF
16AIV1302	F-16 C/D Block 50 Landing Gear System T/S and Maintenance	367 TRSS	AF
16TIV3202	F-16 C/D Block 50 Anti-Skid and Brake System T/S	367 TRSS	AF
30TIT0001	C-130 Emergency Escape	367 TRSS	AF
30TIV0001	C-130 Safe For Maintenance	367 TRSS	AF
35CVT0001	C-135 Emergency Ground Egress Procedures	367 TRSS	AF
35TIV4670	KC-135R Air Refueling System	367 TRSS	AF
41TIV1410V1	C-141B Secondary Flight Controls System (Flaps and Spoilers)	367 TRSS	AF
41UIV11B1	C-141 Cargo Doors and Ramp Operation	367 TRSS	AF
52CVT0003	B-52H Emergency Ground Egress	367 TRSS	AF
52TVT1202	B-52H Seat Safety	367 TRSS	AF
J6AZU2E066 038	Air Force Technical Order (T.O.) System (Gen)	362 TRS	AF
J6AZU2E066 039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System (CAMS) Operators Course (Intro)	362 TRS	AF
J6AZU2E066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Mgrs	362 TRS	AF

13. Training Detachment (TD) Courses.

For further information on the TD courses, contact the OPRs at:

372 TRS
912 I Ave Suite 3
Sheppard AFB, TX 76311-2361
DSN 736-4801

373 TRS
912 I Ave Suite 4
Sheppard AFB, TX 76311-2362
DSN 736-4679

COURSE NO. J4AMF/ASF/AST	COURSE TITLE	OPR	USER
2A6X5-001	B-1B Acft Hydraulic Systems Craftsman	372 TRS	AF
2A6X5-003	KC-10A Acft Hydraulic Systems Specialist	373 TRS	AF
2A6X5-004	KC-10A Acft Hydraulic Systems Journeyman	373 TRS	AF
2A6X5-005	EC/KC-135 In-Flight Refueling Sys Repair Tech	373 TRS	AF
2A6X5-007	U-2R Acft Hydraulic System Craftsman	373 TRS	AF
2A6X5-008	E-4B Acft Hydraulic System Technician	373 TRS	AF
2A6X5-012	H-53 Helicopter Hydraulic Technician	373 TRS	AF
2A6X5-013	B-52H Acft Hydraulic System Craftsman	373 TRS	AF
2A6X5-014	EC-135 OA-8035/ARC-96 Antenna Group	373 TRS	AF
2A6X5-016	KC-135 Acft Hydraulic Repair Craftsman	373 TRS	AF
2A6X5-019	C-141 Hydraulic System Technician	373 TRS	AF
2A6X5-024	C-5 Acft Hydraulic System Technician	373 TRS	AF
2A6X5-030	HC/MC-130E/P/N In-Flight Refueling System	373 TRS	AF
2A6X5-032	C-130 Hydraulic Repair Technician	373 TRS	AF
2A6X5-037	B-2 Acft Hydraulic System Craftsman	372 TRS	AF
2A6X5-041	E-8C Hydraulic System Technician	373 TRS	AF
2A6X5-043	C-17 Hydraulic (Transition) System	373 TRS	AF
2A6X5-044	C-17 Hydraulic (Advanced) System	373 TRS	AF

11. **Courses Under Development/Revision -** N/A

Section E - MAJCOM Unique Requirements. There are no mandatory MAJCOM requirements. The below listed courses are available from HQ ACC LSG/OL-CA.

12. MAJCOM Courses. Contact the course OPRs at:

HQ ACC LSG / OL-CA
6058 Aspen
Hill AFB, UT 84056-5805
DSN 777-4278

COURSE NO.	COURSE TITLE	OPR	USER
Y140009	ACC Production Superintendent	HQACC/ LSG	ACC
Y140015	ACC Maintenance Instructor	HQACC/ LSG	ACC
Y140020	ACC Maintenance Training Management	HQACC/ LSG	ACC